

Execution System for Recycle of Excavated Soil

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70%

1 70m³/

Execution system for using excavated soil at the original place is established. This system is to mix soil, water and cement and pour the mixture with clods. Therefore, it is possible to use more than 70% of excavated soil. Further, this system applies sand-bag to shoot soil and agitatruck to mix and pour the mixture. Consequently, it was enabled to mix and pour the mixture at the original place and execute 70m³ of the mixture per day.

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- (1) 70
- (2) ()
- (3) (5m³/20)
- (4) (10m³/)
- (5) 1/2 1/3

&
& \$

% a ë

30 50

Water Cement Soil Crud

Fig.1 Concept of stabilized soil

& %
& % \$
(1)

Table 1

(3)

(4)

1)

Fig.4
Fig.5

200mm 350mm 1m 50

Fig.4 Slump flow – soil ratio

Fig.5 Slump flow – water content

Photo 1 Construction

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Table 3

420 680mm